



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

Case Vehicle (A): 1999 Dodge  
Type: Ram 2500 Laramie SLT 4 x 4, Quad cab pickup  
with trailer  
Driver: 40-year-old male  
CDC: 12-FDEW-1

Veh. (B): 1999 Ford  
Type: Escort ZX2, 2-door coupe  
Driver: 18-year-old male  
CDC: 02-RZAW-3

## **SITUATION**

(Slide 1) It was dark, the street lights were on, the skies were cloudy, and (slide 2) the 5-lane east-west, asphalt road surface was dry and free of defects. Case vehicle (A) was traveling west in the right westbound lane and was towing a utility trailer. (Slide 3) Vehicle (B) was stopped facing east at a traffic light in the center turn lane of the east-west road, and the driver was waiting to make a left turn at an intersection with a north-south road. As case vehicle (A) approached the intersection, the traffic signal turned yellow and vehicle (B) pulled out and made a left turn in front of case vehicle (A). The driver of case vehicle (A) was unable to stop the vehicle in time and the front of case vehicle (A) struck the right side of vehicle (B). The right-front, left-rear, and right-rear passengers of vehicle (B) were ejected from the vehicle. All occupants of case vehicle (A) and vehicle (B) were transported by ambulance to a local area hospital. The right-rear passenger of vehicle (B) was admitted to the hospital for four days, the right-front passenger of case vehicle (B) was held over night for observation. All other occupants of both vehicles were treated and released.

## **GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES**

(Slide 4) Damage to case vehicle (A) was minor. (Slide 5) The maximum crush was 22 cm at the left center of the front bumper. Direct damage began at the right bumper corner and extended 153 cm to the left, resulting in 81-percent vehicle overlap.

(Slide 6) Damage to vehicle (B) was moderate. (Slide 7) Direct damage to vehicle (B) began 103-cm rear of the front axle and extended 199 cm down the right side to the quarter panel. Direct damage included the roof side rail, and the upper B- and C-pillars. The maximum crush was measured at 46 cm just rearward of the right B-pillar. (Slide 8) The right wheelbase of vehicle (B) was increased 4 cm. There was no significant change in the left wheelbase of vehicle (B).



Using the WinSMASH accident-reconstruction program, and crush profiles measured for (slides 9, 10, 11 and 12) case vehicle (A) and (slides 13, 14, 15 and 16) vehicle (B), the following impact severities were calculated:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case vehicle (A)	EBS	19 (12)	-19 (-12)	3 (2)
Vehicle (B)	EBS	24 (15)	-12 (-7)	-21 (-13)

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

In the front, (slide 17) the bumper, the grille, the hood, and both headlight assemblies were damaged. The hood latch was damaged and jammed closed. There was no other damage to the front of the vehicle. The windshield was not damaged.

On the right side, (slide 18) the fender was damaged. (Slide 19) Both right-side doors were operational and (slides 20 and 21) there was no change in the wheelbase. The right-side glazing was not damaged.

(Slide 22) On the left side, the fender was damaged. (Slide 23) Both left-side doors were operational and (slides 24 and 25) there was no change in the wheelbase. The left-side glazing was not damaged.

(Slide 26) There was no damage to the rear of the vehicle, and (slide 27) no damage to the cargo bed. The backlight was not damaged.

### Interior

This vehicle was equipped with steering-wheel and passenger frontal-impact airbags, and (slides 28, 29, 30 and 31) both deployed. (Slides 32, 33, 34 and 35) There was no damage to the steering-wheel or (slides 36 and 37) the passenger airbag module covers. (Slides 38 and 39) There was no damage to the steering-wheel rim or (slides 40 and 41) spokes, and no deflection of the steering column. (Slide 42) There was a small tear in the panel above the glove box. (Slides 43, 44, 45, 46, 47, 48, 49 and 50) There was no other damage.

## **OCCUPANT KINEMATICS AND INJURIES**

The 6-ft, 3-in, 225-lb, 40-year-old male driver was wearing the three-point belt, and (slide 51) the frontal-impact airbag deployed. There were no witness marks on the plastic shoulder belt guide, (slide 52) but there were scratches on the metal latch plate that indicate general belt use.

On impact, the driver moved forward into the 3-point belt and airbag. He sustained strains to his neck and back, probably due to impact forces. (Slide 53) Although there were scuff marks on the plastic knee bolster cover, no injuries were reported that could be associated with these contact marks.

The 14-year-old male right-front passenger was wearing the three-point belt, and (slide 54) the frontal-impact airbag deployed. (Slide 55) There were no witness marks on the plastic shoulder belt guide, (slide 56) but there were scratches on the metal latch plate that indicate general belt use.

On impact, the right-front passenger moved forward into the 3-point belt and airbag. (Slide 57) His knees contacted the knee bolster/glove box as evidenced by two scuff marks. He sustained an abrasion to his left knee from this contact but no injury was reported to the right knee. He sustained a contusion to his right forearm possibly from the airbag flinging his arm into the interior pane of the right-side door, although no contact marks were found on the interior door panel.

The following tables and attached drawings (slides 58 and 59) summarize the injuries for the two occupants of case vehicle (A).

Occupant: Driver  
Restraints: 3-point belt worn; airbag deployed

Age: 40 years  
Stature: 191 cm (6 ft, 3 in)

Gender: Male  
Mass: 102 kg (225 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Cervical strain	1		Impact force	
Lumbar strain	1		Impact force	
Thoracic strain	1		Impact force	
<u>Maximum A.I.S. Level</u>	<u>1</u>			
<u>Injury Severity Score</u>	<u>3</u>			

Occupant: Right front  
Restraints: 3-point belt worn; airbag deployed

Age: 14 years  
Stature: Unknown

Gender: Male  
Mass: Unknown

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Contusion, right forearm	1			Right interior door panel (airbag fling)
Abrasion, left knee	1		Knee bolster (glove box)	
<u>Maximum A.I.S. Level</u>	<u>1</u>			
<u>Injury Severity Score</u>	<u>1</u>			

Duplicate columns 1-8  
from the previous card.

Module G 1 Format 0 2  
9 10 11 12

## GENERAL INFORMATION GI-1

### TIME

DATE OF COLLISION

      /       /            

HOUR OF COLLISION

(24 HOUR CLOCK)

### LOCATION

STATE:                     

STATE FIPS CODE

AREA

- (1) URBAN  
(2) RURAL  
(9) UNKNOWN

### ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO  
(1) YES  
(9) UNKNOWN

ROAD, TOTAL TRAFFIC LANES  
(FOR CASE VEHICLE)

- (1) 1-LANE  
(2) 2-LANES  
(3) 3-LANES  
(4) 4 OR MORE LANES  
(5) DIVIDED, 4 OR MORE LANES  
(6) PARKING LOT/DRIVEWAY  
(7) OTHER:                       
(9) UNKNOWN

INTERSECTING RD, TOTAL LANES

CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

TYPE OF ROAD SURFACE

- (1) ASPHALT  
(2) CONCRETE  
(3) GRAVEL  
(4) MORE THAN ONE (CIRCLE EACH)  
(7) OTHER:                       
(9) UNKNOWN

ROAD DEFECTS

- (0) NO  
(1) YES  
(9) UNKNOWN

### ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO  
(1) YES  
(9) UNKNOWN

ROAD ALIGNMENT  
VERTICAL PLANE

- (1) LEVEL  
(2) CREST OF HILL  
(3) SLOPE (2%)  
(4) BOTTOM OF HILL  
(9) UNKNOWN

ROAD ALIGNMENT  
HORIZONTAL PLANE

- (1) STRAIGHT  
(2) CURVE  
(3) T - SHAPED  
(4) Y - SHAPED  
(7) OTHER:                       
(9) UNKNOWN

SURFACE COVERING

- (10) DRY  
  
(21) WATER - DAMP  
(22) WATER - WET  
(23) WATER - PUDDLED  
(29) WATER - AMOUNT UNKNOWN  
  
(31) SNOW - LOOSE  
(32) SNOW - PACKED  
(39) SNOW - CONDITION UNKNOWN  
  
(41) ICE  
(51) SLUSH  
(61) SPILLED GRAVEL  
(71) OTHER:                       
(99) UNKNOWN

VISIBILITY LIMITATION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) CLOUDY/DARK  
(2) FOG  
(3) SMOKE  
(4) WINDSHIELD CONDITION  
(5) GLARE  
(6) RAIN  
(7) OTHER:                       
(8) ICE/SNOW  
(9) UNKNOWN

VISIBILITY OBSTRUCTION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) BUILDING  
(2) SIGN  
(3) VEGETATION (E.G. BUSHES, SHRUBS)  
(4) TREE  
(5) HILL OR CURVE IN ROAD  
(6) VEHICLE IN TRANSPORT  
(7) OTHER:                       
(8) PARKED VEHICLE  
(9) UNKNOWN



## GENERAL INFORMATION GI-3

## CRASH DETAILS

## CASE VEHICLE AND OBJECT

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
47

## CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

0  
48

CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
49

MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
50

CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
51

STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
52

TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE  
(9) UNKNOWN

1  
53

ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
54

HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

1  
55

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

- (0) NONE  
(1) YES  
(9) UNKNOWN/NOT REPORTED/  
NO DRIVER

0  
56

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

- (80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

80  
57 58

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
59

## LIST IMPAIRMENTS MENTIONED:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Post - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

- (1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

2  
60

# ACCIDENT SCHEMATIC

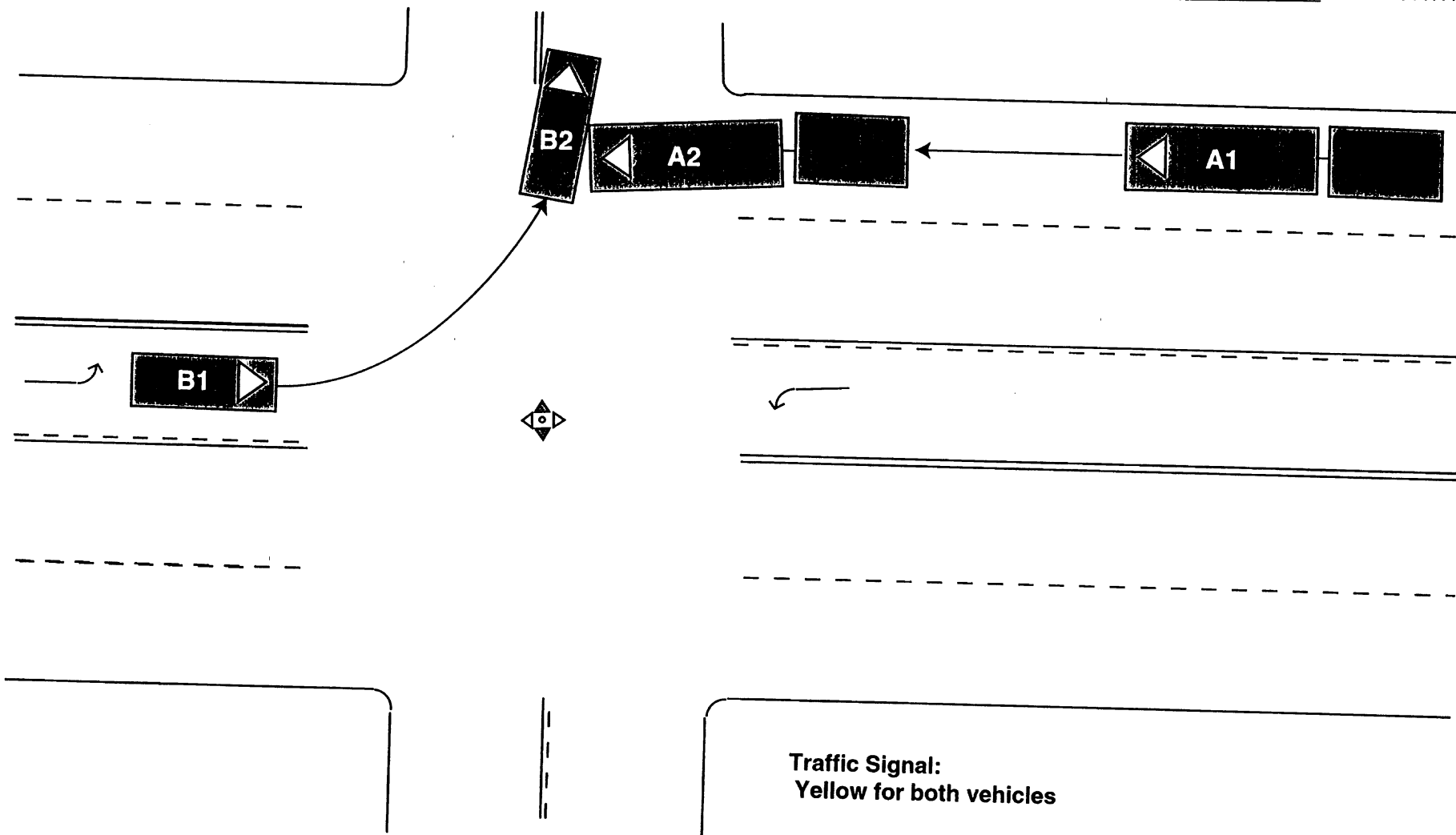
ACCIDENT DESCRIPTION: Case vehicle (A) was traveling west  
when vehicle (B) turned into its path. Case vehicle  
(A) was unable to stop in time and struck the  
right side of vehicle (B) with its front.

CASE VEHICLE (A): 1999 Dodge Ram Pickup  
 OTHER VEHICLE (B): 1999 Ford Escort  
 THIRD VEHICLE (C): \_\_\_\_\_

G14



NORTH





Duplicate columns 1-8  
from the previous card.

Module O V Format 0 4  
9 10 11 12

OTHER VEHICLE OV-1

MAKE: Ford

CARGO: \_\_\_\_\_

MODEL: Escort ZX2, 2-door coupe

VIN 3 F A K P 1 1 3 5 X R 0 0 0 0 0  
13 29

MANUFAC/BODY CODE 9 4 2 2 6  
30 34

MAKE/MODEL CODE 0 2 1 9  
38

MODEL YEAR 1 9 9 9  
39 42

VEHICLE MASS (kg) 0 0 1 1 3 9  
43 48

IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER 1

NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN) 0 4  
51

TRAVELING SPEED (km/h) 9 9 5  
54

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE 1  
55

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(8) UNOCCUPIED VEHICLE  
(NOT APPLICABLE)  
(9) UNKNOWN

#### VEHICLE TYPE

##### PASSENGER VEHICLE

- (02) LARGE  
(03) LIMOUSINE  
(17) PICKUP CAR  
(20) UNKNOWN PASSENGER VEHICLE BODY  
(24) SUB-MINI  
(25) MINI  
(26) SUB-COMPACT  
(27) COMPACT  
(28) INTERMEDIATE  
(29) FULL

2 6  
56 57

##### MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)  
(15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(17) PICKUP CAR WITH CANOPY/SHELL COVER  
(21) MOTOR HOME  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(23) PICKUP CAR WITH SLIDE-IN CAMPER  
(31) CHASSIS-MOUNTED CAMPER

##### TRUCK

- (11) VAN  
(12) PICKUP TRUCK  
(13) UNKNOWN LIGHT TRUCK  
(15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(30) UNKNOWN TRUCK TYPE  
(31) CHASSIS-MOUNTED CAMPER  
(33) DELIVERY VAN (WALK-IN)  
(34) STRAIGHT TRUCK  
(35) TRUCK-TRACTOR (BOBTAIL)  
(36) CHASSIS-CAB  
(37) UNKNOWN HEAVY TRUCK  
(38) TRACTOR & SEMI-TRAILER (SEMI)  
(39) TRUCK (OR SEMI) & FULL TRAILER(S)

##### BUS

- (40) UNKNOWN BUS TYPE  
(41) SCHOOL BUS  
(42) INTERCITY BUS (BETWEEN CITIES)  
(43) TRANSIT BUS (INTRACITY)  
(44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)  
(69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)  
(999) UNKNOWN

250  
58 59 60

Duplicate columns 1-8  
from the previous card.

Module 0 9 V 10 Format 0 11 2 12

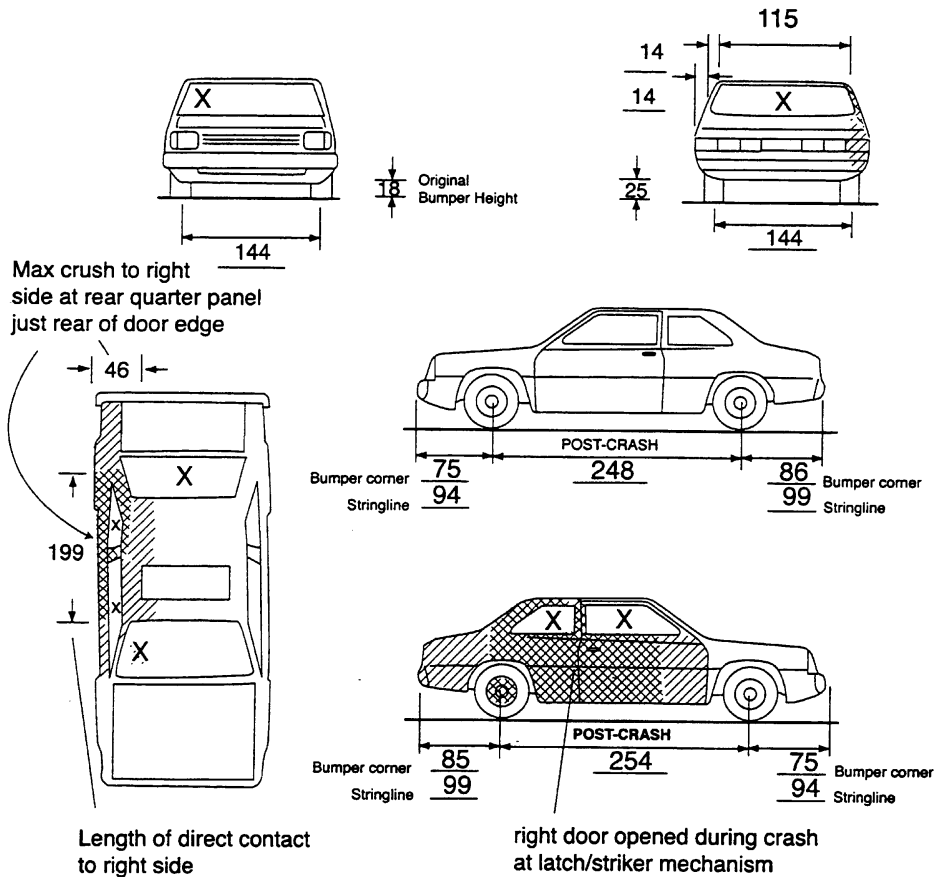
OTHER VEHICLE OV-2

### ORIGINAL SPECIFICATIONS

Wheelbase	<u>250</u> cm	Front Overhang	<u>0</u> <sub>22</sub> <u>9</u> <sub>24</sub> <u>6</u> cm
Curb Weight	<u>1139</u> kg	Rear Overhang	<u>0</u> <sub>25</sub> <u>9</u> <sub>27</sub> <u>9</u> cm
Average Track Width	<u>1</u> <sub>13</sub> <u>4</u> <sub>15</sub> <u>4</u> cm	Undeformed End Width (UEW)	<u>1</u> <sub>28</sub> <u>4</u> <sub>30</sub> <u>4</u> cm
Overall Length	<u>4</u> <sub>16</sub> <u>4</u> <sub>18</sub> <u>5</u> cm	Engine Displacement	<u>2</u> <sub>31</sub> <u>0</u> <sub>32</sub> L
Overall Width (OAW)	<u>1</u> <sub>19</sub> <u>7</u> <sub>21</sub> <u>1</u> cm	Engine: # of Cylinders	<u>0</u> <sub>33</sub> <u>4</u> <sub>34</sub>

### VEHICLE DAMAGE

MEASUREMENTS IN CENTIMETERS



### FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) 9<sub>35</sub> 9<sub>37</sub> 9 cm

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$  9<sub>38</sub> 9<sub>39</sub> %

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$  9<sub>40</sub> 9<sub>41</sub> %

Duplicate columns 1-8 from the previous card.		Module <u>V</u> <u>D</u> Format <u>0</u> <u>4</u> 9 10 11 12				VEHICLE DESCRIPTION VD-1	
MAKE: <u>Dodge</u>					CARGO: _____		
MODEL: <u>Ram 2500 Laramie SLT 4x4, Quad cab pickup with trailer</u>					_____		
VIN <u>1 B 7 K F 2 3 2 9 X J 0 0 0 0 0</u> 13 29							
MANUFAC/BODY CODE <u>1 3 2 1 2</u> 30 34					<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p>STOLEN VEHICLE</p> <p>(0) NO (1) YES (8) NOT COLLECTED (9) UNKNOWN</p> <p>BODY STRUCTURE</p> <p>(1) BODY &amp; FRAME (2) UNITIZED (3) INTEGRAL-STUB FRAME (4) BODY &amp; PLATFORM FRAME (E.G. VW BUG) (5) PARTIALLY UNITIZED (7) OTHER: _____ (9) UNKNOWN</p> <p>TRANSMISSION</p> <p>(0) NONE (1) AUTOMATIC (2) MANUAL (9) UNKNOWN</p> <p>LOCATION OF TRANSMISSION SELECTOR LEVER</p> <p>(1) FLOOR (2) CONSOLE (3) COLUMN (7) OTHER: _____ (9) UNKNOWN</p> <p>STEERING</p> <p>(1) POWER (2) MANUAL (9) UNKNOWN</p> <p>BRAKES</p> <p>(1) POWER (2) MANUAL (9) UNKNOWN</p> </div> <div style="width: 15%; text-align: center;"> <p><u>8</u> 62</p> <p><u>L</u> 63</p> <p><u>1</u> 64</p> <p><u>3</u> 65</p> <p><u>1</u> 66</p> <p><u>1</u> 67</p> </div> </div>		
MAKE/MODEL CODE <u>3 2 3 5</u> 38							
MODEL YEAR <u>1 9 9 9</u> 39 42							
VEHICLE MASS (kg) <u>0 0 2 4 4 7</u> 43 48							
-- ODOMETER (km) (ENTER 9'S IF UNKNOWN) <u>8 8 8 8 8 8</u> (ENTER 8'S IF ELECTRONIC) 49 54							
NUMBER OF OCCUPANTS <u>0 2</u> (ENTER 9'S IF UNKNOWN) 56							
TRAVELING SPEED (km/h) <u>9 9 7</u> 59							
(000) PARKED OR STOPPED (995) JUST STARTING UP (996) BACKING UP (997) SPEED NOT EXCESSIVE (BUT UNKNOWN) (998) SPEED EXCESSIVE (BUT UNKNOWN) (999) UNKNOWN							
VEHICLE TYPE							
PASSENGER VEHICLE							
(11) 2-DOOR HARDTOP (NO UPPER B-PILLAR) (12) 2-DOOR SEDAN OR COUPE (ANY UPPER B-PILLAR) (13) 4-DOOR HARDTOP (14) 4-DOOR SEDAN (15) STATION WAGON (16) CONVERTIBLE (18) OTHER PASS. VEH. : _____ (19) PASSENGER VEHICLE, TYPE UNKNOWN							
MULTIPURPOSE PASSENGER VEHICLE							
(21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO) (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN) (23) VAN, SIZE UNKNOWN (24) VAN, SMALL (MINI) (25) VAN, LARGE (29) MPV, TYPE UNKNOWN (30) MOTOR HOME							
TRUCK							
(31) PICKUP TRUCK, UNKNOWN (32) PICKUP TRUCK, SMALL (DOWNSIZED) (33) PICKUP TRUCK, LARGE (99) UNKNOWN							

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
- (2) DISC, FRONT WHEELS
- (3) DISC, ALL WHEELS
- (9) UNKNOWN

2  
68

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
- (1) TWO-WHEEL
- (2) FOUR-WHEEL
- (7) EQUIPPED, UNKNOWN WHEELS
- (9) UNKNOWN

0  
69

AIR CONDITIONING IN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
70

TYPE OF DRIVE

- (1) REAR WHEEL
- (2) FRONT WHEEL
- (3) FOUR WHEEL
- (4) ALL WHEEL DRIVE
- (9) UNKNOWN

1  
71

DUAL REAR WHEELS

- (0) NO
- (1) YES
- (9) UNKNOWN

0  
72

ORIGINAL TYPE OF RESTRAINT SYSTEM

- (1) ACTIVE BELT
- (2) PASSIVE BELT
- (3) AIRBAG
- (4) KNEE BOLSTERS
- (7) OTHER: \_\_\_\_\_
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

3  
73

EQUIPPED WITH ROLL BAR

- (0) NO
- (1) YES
- (9) UNKNOWN

0  
74

TYPE OF ROOF

- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
75

WHEELBASE (cm)  
(999) Unknown

352  
76 77 78

PLASTIC ANTI-LACERATIVE  
INNER LAYER GLASS EQUIPPED

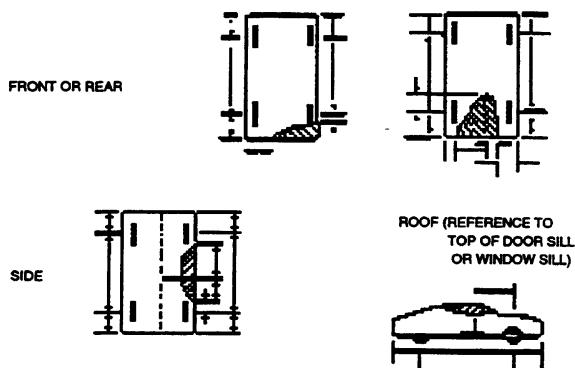
- (0) NONE
- (1) WINDSHIELD
- (2) WINDSHIELD AND SIDE
- (7) OTHER
- (9) UNKNOWN

0  
79

FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

EXAMPLES:



Duplicate columns 1-8  
from the previous card.

Module V D Format 0 2  
9 10 11 12

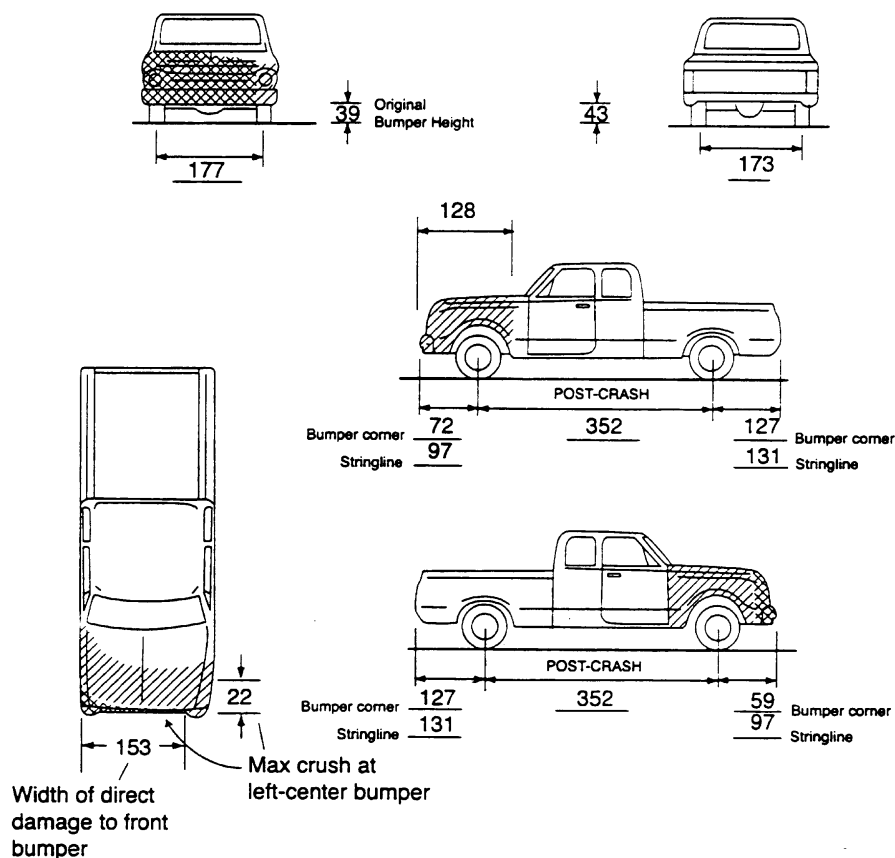
# VEHICLE DESCRIPTION VD-3

## ORIGINAL SPECIFICATIONS

Wheelbase	<u>352</u> cm	Front Overhang	<u>0</u> <u>9</u> <u>7</u> cm
			22 24
Curb Weight	<u>2447</u> kg	Rear Overhang	<u>1</u> <u>3</u> <u>1</u> cm
			25 27
Average Track Width	<u>1</u> <u>7</u> <u>5</u> cm	Undeformed End Width (UEW)	<u>1</u> <u>8</u> <u>0</u> cm
	13 15		28 30
Overall Length	<u>5</u> <u>6</u> <u>9</u> cm	Engine Displacement	<u>5</u> <u>9</u> L
	16 18		31 32
Overall Width (OAW)	<u>2</u> <u>0</u> <u>1</u> cm	Engine: # of Cylinders	<u>0</u> <u>8</u>
	19 21		33 34

## VEHICLE DAMAGE

MEASUREMENTS IN CENTIMETERS



## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

1 5 3 cm

35

37

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

8 5 %

38

39

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

8 1 %

40

41

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 2  
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>1</u> 13	
IMPACT SPEED (km/h)	<u>999</u> 14 15 16	<u>999</u> 35 36 37
ESTIMATED BY	<u>1</u> 17	<u>1</u> 38
CRUSH (cm)	<u>022</u> 18 19 20	<u>046</u> 39 40 41
CDC #1	<u>12.FDEW.1</u> 21 27	<u>02.RZAW.3</u> 42 48
CDC #2	<u>98.0000.0</u> 28 34	<u>98.0000.0</u> 49 55

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 3  
9 10 11 12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>      </u> 13	
IMPACT SPEED (km/h)	<u>      </u> 14 15 16	<u>      </u> 35 36 37
ESTIMATED BY	<u>      </u> 17	<u>      </u> 38
CRUSH (cm)	<u>      </u> 18 19 20	<u>      </u> 39 40 41
CDC #1	<u>      </u> - <u>      </u> - <u>      </u> - <u>      </u> 21 27	<u>      </u> - <u>      </u> - <u>      </u> - <u>      </u> 42 48
CDC #2	<u>      </u> - <u>      </u> - <u>      </u> - <u>      </u> 28 34	<u>      </u> - <u>      </u> - <u>      </u> - <u>      </u> 49 55

## CODES

### EVENT NUMBER

(8) NOT APPLICABLE  
(9) UNKNOWN

### IMPACT SPEED

(998) NOT APPLICABLE  
(999) UNKNOWN

### IMPACT SPEED ESTIMATOR

(1) INVESTIGATOR  
(2) DRIVER  
(3) POLICE  
(4) "CRASH" PROGRAM  
(5) OTHER COMPUTER PROGRAM  
SPECIFY: \_\_\_\_\_  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(NO VEHICLE/NO IMPACT)

### CRUSH

(998) NOT APPLICABLE  
(NO VEHICLE/DAMAGE)  
(999) UNKNOWN

### CDC

(9800000) NOT APPLICABLE  
(9900000) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

## MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 0 2 2  
13 15RIGHT SIDE 0 0 0  
16 18REAR 0 0 0  
19 21LEFT SIDE 0 0 0  
22 24ROOF 0 0 0  
25 27OTHER 0 0 0  
28 30CHRONOLOGICAL SEQUENCE  
OF DAMAGE/INJURY PRODUCING CRASH EVENTS  
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER? 1

31

(0) NO

(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>13</u> 34	<u>26</u> 36
#2	<u>   </u> 37	<u>   </u> 39	<u>   </u> 41
#3	<u>   </u> 42	<u>   </u> 44	<u>   </u> 46
#4	<u>   </u> 47	<u>   </u> 49	<u>   </u> 51
#5	<u>   </u> 52	<u>   </u> 54	<u>   </u> 56
#6	<u>   </u> 57	<u>   </u> 59	<u>   </u> 61
#7	<u>   </u> 62	<u>   </u> 64	<u>   </u> 66

CODES FOR  
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

## ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

## UNKNOWN

- (99) IMPACT TYPE UNKNOWN



DAMAGE DA-4

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE	WHEELBASE
SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING  
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM  
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE  
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES



Duplicate columns 1-8  
from the previous card.Module C R Format 0 1  
9 10 11 12CRASH RECONSTRUCTION CR-1  
for  $\Delta V$ 

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE		CASE VEHICLE	CONTACTED VEHICLE	
EVENT NUMBER	<u>1</u> 13			<u>47</u>		
$\Delta V$ (km/h) TOTAL	<u>8</u> — 14 15 16	<u>8</u> — 32 33 34		<u>      </u> 48 49 50	<u>      </u> 66 67 68	
LONGITUDINAL *	<u>8</u> — 17 — — 20	<u>8</u> — 35 — — 38		<u>      </u> 51 — — — 54	<u>      </u> 69 — — — 72	
LATERAL *	<u>8</u> — 21 — — 24	<u>8</u> — 39 — — 42		<u>      </u> 55 — — — 58	<u>      </u> 73 — — — 76	
*NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = $\pm 010$ -7 km/h = $-007$						
ENERGY DISSIPATED BY CRUSH (kj)	<u>8</u> — 25 — — 28	<u>8</u> — 43 — — 46		<u>      </u> 59 — — — 62	<u>77</u> — — — 80	
RECONSTRUCTION						
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>10</u> 29 30			<u>63</u> <u>64</u>		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: <u>veh (A) towing trailer</u>						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE						
(1) CDC ONLY						
(2) CDC & DETAILED DAMAGE						
(3) TRAJECTORY & CDC	<u>5</u> 31			<u>      </u> 65		
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: _____						

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 2  
9 10 11 12

# CRASH RECONSTRUCTION CR-2

for EBS

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE		CASE VEHICLE	CONTACTED VEHICLE	
EVENT NUMBER	<u>1</u> 13			<u>47</u>		
EBS (km/h) TOTAL	<u>019</u> 14 15 16	<u>024</u> 32 33 34		<u>48 49 50</u>	<u>66 67 68</u>	
LONGITUDINAL*	<u>-019</u> 17 20	<u>-012</u> 35 38		<u>51 54</u>	<u>69 72</u>	
LATERAL*	<u>+003</u> 21 24	<u>-021</u> 39 42		<u>55 58</u>	<u>73 76</u>	
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = + 0 1 0 -7 km/h = - 0 0 7						
ENERGY DISSIPATED BY CRUSH (Kj)	<u>0044</u> 25 28	<u>0052</u> 43 46		<u>59 62</u>	<u>77 80</u>	
RECONSTRUCTION						
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>22</u> 29 30			<u>63 64</u>		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/ OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE						
(1) CDC ONLY						
(2) CDC & DETAILED DAMAGE	<u>2</u> 31			<u>65</u>		
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u>						

Duplicate columns 1-8  
from the previous card.Module C R Format 0 3  
9 10 11 12

## CRASH RECONSTRUCTION CR-3

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR  
IMPACTS, REAR TO FRONT IN SIDE IMPACTS.3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

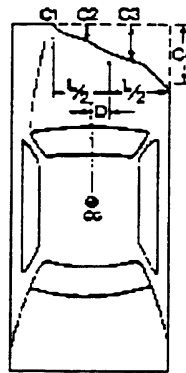
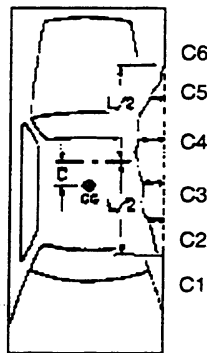
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
<u>1</u>	<u>Begin 27cm Rt of Lt Ft BC</u>	<u>Ft Bumper BC to BC</u>

PLANE:

- (1) Bumper  
 (2) Above Bumper  
 (3) Sill  
 (4) Above Sill  
 (5) Other \_\_\_\_\_  
 (9) Unknown

DL 153UDL 27

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	$C_1$	$C_2$	$C_3$	$C_4$	$C_5$	$C_6$	$\pm D$
		Length (DDL)	Max Crush								
<u>1</u>	<u>1</u>	<u>153</u>	<u>23</u>	<u>180</u>	<u>25</u>	<u>13</u>	<u>23</u>	<u>18</u>	<u>17</u>	<u>38</u>	<u>+13</u>
			<u>-1</u>		<u>-23</u>	<u>-4</u>	<u>-1</u>	<u>-1</u>	<u>-4</u>	<u>-23</u>	
<u>1</u>	<u>1</u>	<u>153</u>	<u>022</u>	<u>180</u>	<u>002</u>	<u>009</u>	<u>022</u>	<u>017</u>	<u>013</u>	<u>015</u>	<u>+013</u>
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
<u>2</u>											

**NOTES:**

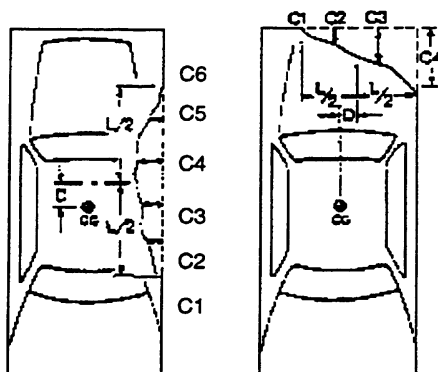
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

### OTHER VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	103cm Rear of Rt Ft Axle	94cm rear of Rt Ft Axle



PLANE:

- (1) Bumper  
(2) Above Bumper  
(3) Sill  
(4) Above Sill  
(5) Other \_\_\_\_\_  
(9) Unknown

DL

UDL

### CRUSH PROFILE IN CENTIMETERS

**NOTE:** Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

[illegible]

Duplicate columns 1-8  
from the previous card.

Module W T Format 0 1  
9 10 11 12

## WHEELS AND TIRES

WT-1

## WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF 0  
13RF 0RR 0LR 0  
16

## TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 4  
17RF 4RR 4LR 4  
20

## CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 3  
21RF 3RR 3LR 3  
24

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF L T 2 4 5 7 5 R 1 6  
25RF 1  
35RR 1  
45LR 1  
55

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Duplicate columns 1-8  
from the previous card.

Module F T Format 0 1  
9 10 11 12

## FUEL AND FUEL TANKS FT-1

### TYPE OF PROPULSIVE FUEL

- (1) GASOLINE
- (2) DIESEL OIL
- (3) LPG
- (4) ELECTRIC
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
13

### AUXILIARY TANK TYPE

- (1) OEM TANK
- (2) AFTER MARKET TANK
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

8  
21

### MAIN TANK LOCATION

322  
14 16

### AUXILIARY TANK LOCATION

888  
22 24

### MAIN FILLER CAP LOCATION

313  
17 19

### AUXILIARY FILLER CAP LOCATION

888  
25 27

### MAIN TANK MATERIAL

3  
20

### AUXILIARY TANK MATERIAL

8  
28

### TANK AND FILLER CAP LOCATION CODES

#### FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

#### SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

#### THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN



Duplicate columns 1-8  
from the previous card.

Module F L Format 0 1  
9 10 11 12

FUEL LEAKAGE FL-1

# DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

0  
13

(1) YES COMPLETE PAGE.

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>    </u> <u>    </u> 14 15	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 21
#2	<u>    </u> <u>    </u> 22 23	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 29
#3	<u>    </u> <u>    </u> 30 31	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 37
#4	<u>    </u> <u>    </u> 38 39	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 45
#5	<u>    </u> <u>    </u> 46 47	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 53

## I LEAKING COMPONENT

### TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

### DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

### EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

### EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

## II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

## III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## V LOCATION OF LEAK

FIRST DIGIT  
(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT  
(LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

(1) YES COMPLETE PAGE.

0  
13

DID FIRE START IN CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

      
14

SEVERITY OF FIRE DAMAGE

- (1) MINOR  
(2) MODERATE  
(3) SEVERE  
(9) UNKNOWN

      
16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE  
(2) SLOW/MODERATE  
(9) UNKNOWN

      
15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

      
17

-----  
*PROVIDE NOTES IF FIRE OCCURRED.*

Duplicate columns 1-8  
from the previous card.

Module E D Format 0 1  
9 10 11 12

## EXTERIOR DAMAGE

ED-1

## HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

HOOD LATCH(ES) -RELEASED

0  
13

-DAMAGED

1  
14

-JAMMED

1  
15

HOOD HINGES -LEFT, DAMAGED

0  
16

-LEFT, SEPARATED  
(COMPLETE)

8  
17

-RIGHT, DAMAGED

0  
18

-RIGHT, SEPARATED  
(COMPLETE)

8  
19

HOOD REMAINED ON VEHICLE

1  
20

REAR EDGE OF HOOD -ELEVATED

0  
21

-CONTACTED WINDSHIELD

0  
22

-PENETRATED WINDSHIELD

8  
23

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE  
(2) COWL AREA  
(3) SIDE  
(8) NOT APPLICABLE  
(9) UNKNOWN

1  
24

## STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE  
(1) FLEXIBLE MATERIAL  
(2) POT  
(3) SINGLE U-JOINT  
(4) DOUBLE U-JOINT  
(5) FLEXIBLE CABLE  
(6) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(7) OTHER: \_\_\_\_\_  
(8) EQUIPPED, TYPE UNKNOWN  
(9) UNKNOWN, IF EQUIPPED

9  
26

COUPLING-

-DAMAGED

9  
27

(USE CODES  
FROM HOOD  
PERFORMANCE)

-SEPARATED  
(COMPLETE)

9  
28

## ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED  
(01) - (07) SEE UNITS ON PAGE ED-2  
(88) NOT COLLECTED  
(97) OTHER: \_\_\_\_\_  
(98) EQUIPPED, TYPE UNKNOWN  
(99) UNKNOWN IF EQUIPPED

8 8  
29 30

ORIGINAL LENGTH (mm)

F (OR H): \_\_\_\_\_

TELESCOPED LENGTH (mm)

G: \_\_\_\_\_

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO  
COMPRESSION  
(992) COMPRESSED, AMOUNT  
UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT  
EQUIPPED)  
(999) UNKNOWN

8 8 8  
31 33

## ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
25

## LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 34

## LEFT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN

- (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 35

LOWER

0  
 36

-B-PILLAR, UPPER

8  
 37

LOWER

8  
 38

-C-PILLAR, UPPER

0  
 39

LOWER

0  
 40

-D-PILLAR, UPPER

8  
 41

LOWER

8  
 42

-FRONT

0  
 43

-REAR

0  
 44

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 45

-REAR

0  
 46

## EXTERIOR DAMAGE

ED-3

## REAR DOOR

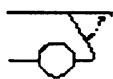
## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



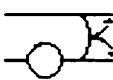
Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR  
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

## OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

0  
47

## OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA  
DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8  
50

## SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
51

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

## OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

4  
52
TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: \_\_\_\_\_
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

4  
53

8  
48

6  
49

## RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 54

## RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 55

LOWER

0  
 56

-B-PILLAR, UPPER

8  
 57

LOWER

8  
 58

-C-PILLAR, UPPER

0  
 59

LOWER

0  
 60

-D-PILLAR, UPPER

8  
 61

LOWER

8  
 62

## RIGHT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION  
 (02) DOOR-LATCH SEPARATION  
 (03) LATCH-STRIKER SEPARATION  
 (04) STRIKER-PILLAR SEPARATION  
 (05) BODY DISTORTION  
 (06) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (07) OPENED, REASON UNKNOWN  
 (11) VAN RIGHT-REAR DOOR OPENED  
 (ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)

(99) UNKNOWN

-FRONT

0 0  
 63 64

-REAR

0 0  
 65 66

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 67

-REAR

0  
 68

## VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR  
 (1) TRACK (SLIDING) - RIGHT SIDE  
 (2) SINGLE-HINGED - RIGHT SIDE  
 (3) DOUBLE-HINGED - RIGHT SIDE  
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE  
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE  
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE  
 (7) TRACK AND HINGED COMBINATION  
 (8) NOT APPLICABLE (NOT A VAN)  
 (9) UNKNOWN

8  
 69

## EXTERIOR DAMAGE

ED-5

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## EXTENT OF BOND SEPARATION

- (0) NONE  
 (1) 1 - 20%  
 (2) 21 - 40  
 (3) 41 - 60  
 (4) 61 - 80  
 (5) 81 - 99  
 (6) TOTAL  
 (7) SEPARATED, AMOUNT  
 UNKNOWN  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

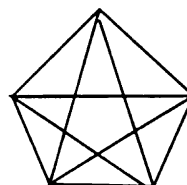
0  
70

8  
71

8  
72

0  
73

## WINDSHIELD MARK ON CASE VEHICLE:



**SAFEGUARD**  
 DOT-21 CC M54 T AS1 8

**E6** 43R-00112

## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
 (98) NOT APPLICABLE (NO WINDSHIELD)  
 (99) UNKNOWN

**M A**  
 74 75

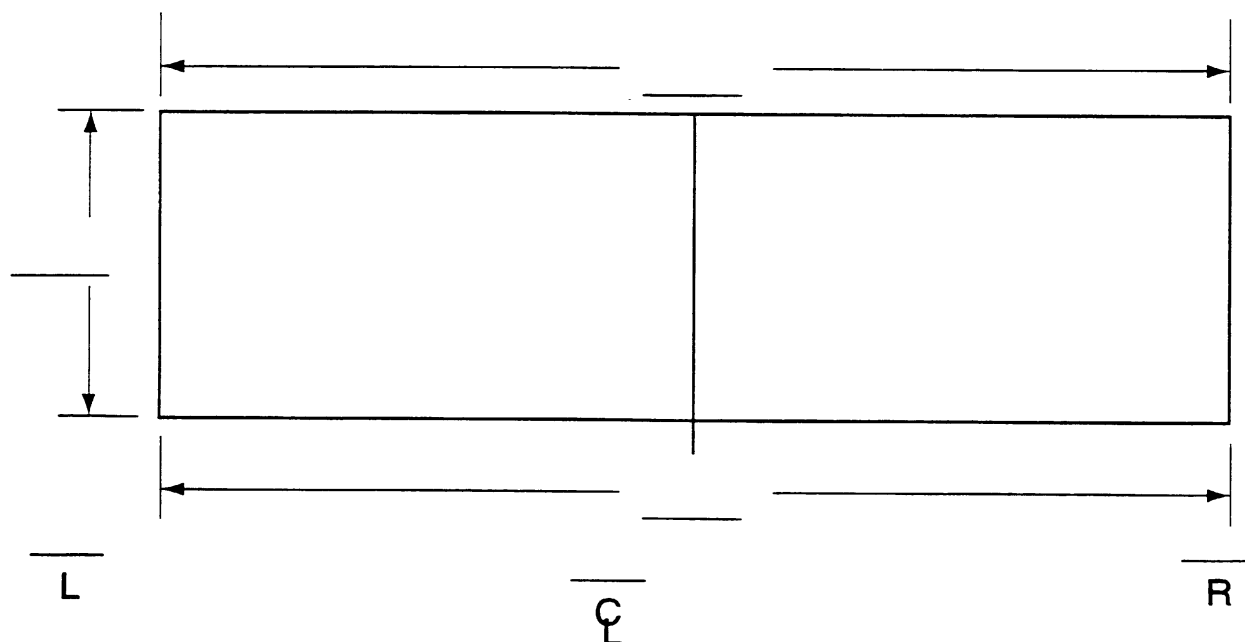
## Roof

DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (NOT A T-ROOF OR SUN ROOF)  
 (9) UNKNOWN

8  
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



## STEERING WHEEL

### STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0  
13

### NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

4  
14

### STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0  
15

### STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE  
NORMAL TOP OF THE WHEEL POINTED  
WHEN THE COLLISION OCCURRED?

#### EXAMPLES

O'CLOCK = 1 2

O'CLOCK = 0 2



(NORMAL STRAIGHT  
AHEAD)



O'CLOCK = 11

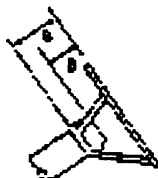
(99) UNKNOWN

## STEERING WHEEL ENERGY ABSORBING DEVICE



(1) EXAMPLES:

BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77



(2) EXAMPLES:

OMNI, 78 -  
HORIZON, 78 -

## STEERING COLUMN OPTIONS

### TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

3  
16

### SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0  
17

### TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0  
18

### TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: \_\_\_\_\_
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

### ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

### DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

### DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8  
20 22



## STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN  
ENERGY ABSORBING DEVICE

TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED  
(88) NOT COLLECTED  
(99) UNKNOWN

8 8  
23 24

ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
COMPRESSION  
(992) COMPRESSED, AMOUNT UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

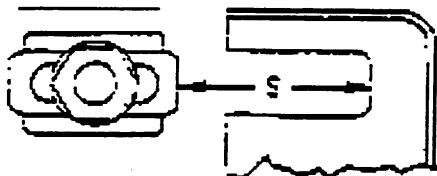
8 8 8  
25 27

\* (ADD A &amp; B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT &amp; RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
SEPARATION  
(992) SEPARATED, AMOUNT UNKNOWN  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

8 8 8  
28 30

## COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION  
(1) UPWARD APPARENT ROTATION  
(2) DOWNWARD APPARENT ROTATION  
(9) UNKNOWN

0  
31

## COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION  
(1) LEFT APPARENT ROTATION  
(2) RIGHT APPARENT ROTATION  
(9) UNKNOWN

0  
32

## STEERING WHEEL (CONTINUED)

## STEERING WHEEL HUB DAMAGE

- (0) NONE  
(1) OCCUPANT CONTACT  
(2) AIRBAG  
(3) OTHER \_\_\_\_\_  
(9) UNKNOWN

0  
33



1 = Definitely 2 = Probably 3 = Possible

BEST AVAILABLE

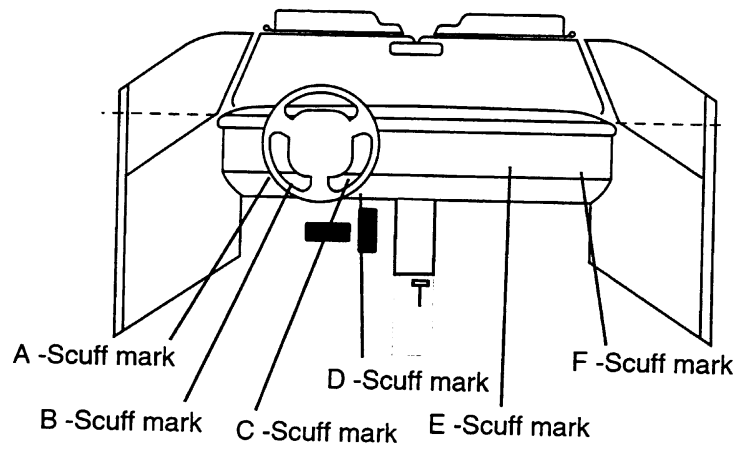
## INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)				Dominant Crush Direction
		Comparison Value	–	Intruded Value	= Intrusion	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	

## OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Knee bolster	Driver	Lt. leg	Scuff mark	1
B	Knee bolster	Driver	Lt. leg	Scuff mark	1
C	Knee bolster	Driver	Rt. leg	Scuff mark	1
D	Knee bolster	Driver	Rt. leg	Scuff mark	1
E	Glove box	Right front	Lt. knee	Scuff mark	1
F	Glove box	Right front	Rt. knee	Scuff mark	1
G					
H					
I					
J					
K					
L					
M					

## VEHICLE OCCUPANT CONTACT DIAGRAM



**INTRUSION IT-3****CODES FOR COLUMN B, OCCUPANT SPACE NUMBER**

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

**FIRST DIGIT**

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

**SECOND DIGIT**

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- |                          |                 |                         |   |
|--------------------------|-----------------|-------------------------|---|
| (1) LEFT                 | (3) RIGHT       | .....                   | INDIVIDUAL SEAT                               |
| (1) LEFT                 | (2) CENTER      | (3) RIGHT               | ..... BENCH: FULL WIDTH 3 PASSENGER           |
| (1) LEFT                 | (2) LEFT CENTER | (6) RIGHT CENTER        | (3) RIGHT ..... BENCH: FULL WIDTH 4 PASSENGER |
| (1) LEFT                 | (2) CENTER      | (5) RIGHT & AISLE SPACE | ..... BENCH: PARTIAL WIDTH, LEFT              |
| (0) LEFT & SPACE         | (2) CENTER      | (5) RIGHT & SPACE       | ..... BENCH: PARTIAL WIDTH, CENTERED          |
| (4) ENTIRE VEHICLE WIDTH | .....           | CARGO AREA              |   |

**EXAMPLES**

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

**PASSENGER CAR**  
**5 PASSENGERS**

X	X	11	13
X	X	21	22 23

**VAN**  
**12 PASSENGER CAPACITY**

X	X	11	13	
X	X	X	21 22 25	
X	X	X	31 32 35	
X	X	X	X	41 42 46 43

**CODES FOR COLUMN F, MEASUREMENT AXIS**

- (X) X-AXIS (FORE & AFT)  
(Y) Y-AXIS (LATERAL)  
(Z) Z-AXIS (VERTICAL)

**CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS**

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT



## INTRUSION IT-4

## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

*NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.*

## INDIVIDUAL COMPONENT

## INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/  
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (*DESCRIBE*)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

## EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER  
COMPARTMENT BUT PART  
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (*E.G. SPARE TIRE,  
JACK. DESCRIBE.*)
- (49) UNKNOWN EXTERNAL OBJECT

## GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

*USE ONLY IF ALL THESE COMPONENTS  
INTRUDED INTO A SINGLE OCCUPANT SPACE.*

- |                        |                         |
|------------------------|-------------------------|
| (50) WINDSHIELD HEADER | (60) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| ROOF SIDE RAIL         | A-PILLAR                |
| (51) INSTRUMENT PANEL  | B-PILLAR                |
| A-PILLAR               | C-PILLAR                |
| DOOR PANEL             | WINDOW FRAME            |
| (52) INSTRUMENT PANEL  | DOOR PANEL              |
| A-PILLAR               | FLOOR PAN               |
| WINDSHIELD HEADER      | (61) INSTRUMENT PANEL   |
| (53) DOOR PANEL        | TOE PAN                 |
| B-PILLAR               | WINDSHIELD HEADER       |
| ROOF RAIL              | A-PILLAR                |
| (54) DOOR PANEL        | ROOF RAIL               |
| A-PILLAR               | WINDOW FRAME            |
| ROOF RAIL              | DOOR PANEL              |
| (55) INSTRUMENT PANEL  | ROOF                    |
| FLOOR PAN              | (62) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| DOOR FRAME             | C-PILLAR                |
| (56) ROOF RAIL         | WINDOW FRAME            |
| A-PILLAR               | FLOOR PAN               |
| B-PILLAR               | SECOND SEAT             |
| WINDOW FRAME           | DOOR PANEL              |
| (57) ROOF RAIL         | (63) ROOF RAIL          |
| A-PILLAR               | ROOF                    |
| B-PILLAR               | B-PILLAR                |
| C-PILLAR               | WINDOW FRAME            |
| DOOR PANEL             | FLOOR PAN               |
| (58) ROOF              | DOOR PANEL              |
| ROOF RAIL              | SECOND SEAT             |
| WINDOW FRAME           | FRONT SEAT              |
| DOOR PANEL             | (64) ROOF RAIL          |
| (59) BACKLIGHT HEADER  | ROOF OR CONVERTIBLE TOP |
| ROOF                   | A-PILLAR                |
| C-PILLAR               | B-PILLAR                |
| THIRD SEAT-BACK        | WINDOW FRAME            |
| (65) WINDSHIELD        | WINDOW HEADER           |
| WINDSHIELD HEADER      | (66) WINDSHIELD         |
| ROOF SIDE RAIL         | WINDSHIELD HEADER       |
| (66) WINDSHIELD        | A-PILLAR                |
| WINDSHIELD HEADER      |                         |
| A-PILLAR               |                         |
| (98) NOT APPLICABLE    |                         |
| (99) UNKNOWN           |                         |

Duplicate columns 1-8 from the previous card. Module 1 9 T 10 Format 0 11 1 12

## INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION? 0  
13

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
(1) YES ANSWER NEXT QUESTION.  
(9) UNKNOWN SKIP PAGE.

WAS INTRUSION CATASTROPHIC?       
14

- (0) NO COMPLETE PAGE.  
(1) YES SKIP PAGE.

Duplicate columns 1-8 from the previous card. Module 1 9 T 10 Format 0 11 2 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 6</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 7</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8 from the previous card. Module 1 9 T 10 Format 0 11 3 12

NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.

### SIDE DOOR INTRUSION RESULTED FROM

INTRUSION NUMBER	CAUSE	CODES FOR CAUSE:
<u>13</u> —	<u>15</u> —	(1) DIRECT IMPACT
<u>16</u> —	<u>18</u> —	(2) INDUCED DAMAGE
<u>19</u> —	<u>21</u> —	(9) UNKNOWN

### IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED DOOR INTRUSION, CODE COMPONENT

INTRUSION NUMBER	DAMAGED COMPONENT 1	DAMAGED COMPONENT 2	CODES FOR COMPONENTS
A <u>22</u> <u>23</u>	—	<u>25</u>	(0) NONE
B <u>26</u> <u>27</u>	—	<u>29</u>	(1) A-PILLAR
C <u>30</u> <u>31</u>	—	<u>33</u>	(2) B-PILLAR
D <u>34</u> <u>35</u>	—	<u>37</u>	(3) C-PILLAR
			(4) LATCH/STRIKER
			(5) HINGES
			(7) OTHER: <u>    </u>
			(8) NOT APPLICABLE
			(9) UNKNOWN



Duplicate columns 1-8 from the previous card. Module 1 T Format 0 2  
9 10 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

-- ADDITIONAL PAGE --

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION X AXIS (cm)	F MAXIMUM INTRUSION Y AXIS (cm)	G MAXIMUM INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 8</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 9</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 0</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 6</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 7</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 8</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 9</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 0</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —

Duplicate columns 1-8  
from the previous card.

Module 1 D Format 0 1  
9 10 11 12

# INTERIOR DAMAGE

ID-1

## CODES:

(0) NO  
(1) YES  
(3) NO, and OCCUPANT CONTACT

(4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

	LEFT	RIGHT				
<b>SIDES</b>			<b>FRONT</b>		<b>INSTRUMENT PANEL</b>	
FRONT DOOR	<u>0</u> 13	<u>0</u> 14	FOOT CONTROLS	<u>0</u> 45	UPPER PANEL	<u>1</u> 55
FRONT HARDWARE	<u>0</u> 15	<u>0</u> 16	IGNITION KEYS	<u>0</u> 46	MID PANEL	<u>0</u> 56
FRONT ARMREST	<u>0</u> 17	<u>0</u> 18	REAR VIEW MIRROR	<u>0</u> 47	LOWER PANEL	<u>0</u> 57
FRONT GLASS	<u>0</u> 19	<u>0</u> 20	SUNVISOR/FITTINGS	<u>0</u> 48	ASHTRAY	<u>0</u> 58
REAR DOOR AREA	<u>0</u> 21	<u>0</u> 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	<u>0</u> 59
REAR HARDWARE	<u>0</u> 23	<u>0</u> 24	WINDSHIELD TOP MOLDINGS	<u>0</u> 49	GLOVE COMPARTMENT AREA	<u>0</u> 60
REAR ARMREST	<u>0</u> 25	<u>0</u> 26	LEFT A-PILLAR (UPPER OR LOWER)	<u>0</u> 50	INSTRUMENTS	<u>0</u> 61
REAR GLASS	<u>0</u> 27	<u>0</u> 28	RIGHT A-PILLAR (UPPER OR LOWER)	<u>0</u> 51	PARKING BRAKE RELEASE	<u>0</u> 62
ROOF SIDE RAIL	<u>0</u> 29	<u>0</u> 30	CENTER CONSOLE	<u>0</u> 52	PARKING BRAKE PEDAL	<u>0</u> 63
B-PILLAR	<u>8</u> 31	<u>8</u> 32	TRANSMISSION SELECTOR LEVER	<u>0</u> 53	A/C OR UPPER VENT OUTLETS	<u>0</u> 64
C-PILLAR	<u>0</u> 33	<u>0</u> 34	RIM, HORN, SPOKE	<u>0</u> 54	HEATER OR A/C DUCTS	<u>0</u> 65
D-PILLAR	<u>8</u> 35	<u>8</u> 36			RADIO	<u>0</u> 66
HEADLINING	<u>0</u> 37	<u>0</u> 38			OTHER: * _____	<u>8</u> 67
ROOF STRUCTURE	<u>0</u> 39	<u>0</u> 40				
T-ROOF/SUN ROOF	<u>8</u> 41	<u>8</u> 42				
OTHER: * _____	<u>8</u> 43	<u>8</u> 44				
					<b>REAR</b>	
					WINDOW	<u>0</u> 68
					WINDOW HEADER	<u>0</u> 69
					<b>CONSOLES</b>	
					VERTICAL	<u>8</u> 70
					ROOF	<u>0</u> 71

\* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8 from the previous card.		Module <u>S</u> <u>T</u> Format <u>0</u> <u>2</u> 9 10 11 12		SEATS		ST-1	
<b>FRONT SEAT</b>		DRIVER	PASSENR	<b>FRONT SEAT-BACK</b>		DRIVER	PASSENR
<b>TYPE OF FRONT SEAT</b> (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		<u>05</u> 13 14	<u>05</u> 15 16	<b>SEAT-BACK TYPE</b> (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 30	<u>3</u> 31
<b>TYPE OF SEAT MOUNT</b> (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 17	<u>1</u> 18	<b>SEAT-BACK LOCK TYPE</b> (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 32	<u>1</u> 33
<b>SWIVEL MECHANISM EQUIPPED</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 19	<u>0</u> 20	<b>LOCKS HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 34	<u>1</u> 35
<b>ORIGINAL EQUIPMENT SEATS</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 21	<u>1</u> 22	<b>RECLINER MECHANISM HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 36	<u>1</u> 37
<b>CONTACT OF SEAT BY REAR OCCUPANT</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 23	<u>8</u> 24	<b>HEAD RESTRAINT</b> <b>HEAD RESTRAINT TYPE</b> (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 38	<u>2</u> 39
<b>FRONT SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 25	<u>0</u> 26	<b>REMOVED PRE-CRASH</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 40	<u>8</u> 41
<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		<u>0</u> 27		<b>ADJUSTMENT AT CRASH</b> (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 42	<u>8</u> 43
<b>FRONT SEAT ROTATION</b> (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 28	<u>0</u> 29	<b>HEAD RESTRAINT DAMAGE</b> (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 44	<u>0</u> 45

FRONT SEAT ADJUSTMENT		DRIVER	PASSENGER	SECOND SEAT (CONT.)	
SEAT ADJUSTMENT TYPE				CENTER ARMREST DAMAGED	
(0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN		<u>1</u> 46	<u>1</u> 47	(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	
ADJUSTMENT PROVIDED		<u>1</u> 48	<u>1</u> 49	SECOND SEAT-BACK	
(1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN				LEFT	RIGHT
SEAT ADJUSTER DAMAGE				LOCKS	
(0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 50	<u>0</u> 51	FOR THE FOLLOWING, USE:	
SEAT ADJUSTER SEPARATION				(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
(0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 52	<u>8</u> 53	LEFT OR CENTER, EQUIPPED	
PRE-CRASH POSITION				LEFT OR CENTER, HELD	
(1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 54	<u>3</u> 55	(3) SEAT FOLDED DOWN	
				RIGHT, EQUIPPED	
				RIGHT, HELD	
				(3) SEAT FOLDED DOWN	
				THIRD SEAT	
SECOND SEAT		LEFT	RIGHT	EQUIPPED	
TYPE OF SECOND SEAT				BACKREST DAMAGED	
(0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN		<u>1</u> 56	<u>1</u> 57	CUSHION DAMAGED	
SECOND SEAT DAMAGE				VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS	
(0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 58	<u>0</u> 59	(0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN Applies to any rear-seat position	

Duplicate columns 1-8  
from the previous card.

Module A B Format 0 1  
9 10 11 12

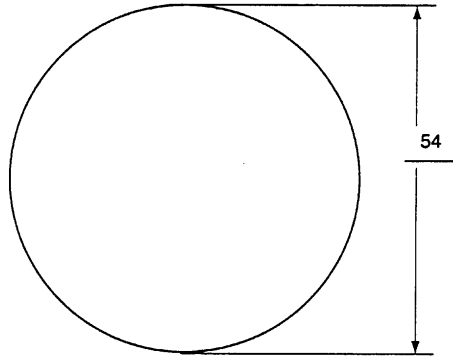
# AIRBAG AB-1

<p align="center"><b>DRIVER SIDE</b></p> <p><b>LOCATION OF AIRBAG</b> <b>STEERING WHEEL</b></p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>1</u> 13</p> <p align="center"><u>1</u> 14</p>	<p align="center"><b>PASSENGER SIDE</b></p> <p><b>LOCATION OF AIRBAG</b> <b>INSTRUMENT PANEL (GLOVE BOX)</b></p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>1</u> 16</p> <p align="center"><u>1</u> 17</p>
<p><b>CONDITION OF AIRBAG</b> <b>STEERING WHEEL</b></p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p align="center"><u>0</u> 15</p>	<p><b>CONDITION OF AIRBAG</b> <b>INSTRUMENT PANEL (GLOVE BOX)</b></p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p align="center"><u>0</u> 18</p>
<p align="center"><b>DRIVER SIDE</b></p> <p><b>AIRBAG</b> <b>STEERING WHEEL</b></p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>1</u> 19</p> <p align="center"><u>0</u> 20</p>	<p align="center"><b>PASSENGER SIDE</b></p> <p><b>AIRBAG</b> <b>INSTRUMENT PANEL (GLOVE BOX)</b></p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>0</u> 21</p> <p align="center"><u>0</u> 22</p>

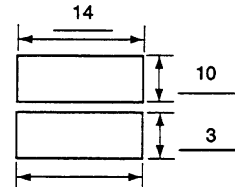
AIRBAG NUMBER ON DRIVER SIDE:



Driver Airbag



Driver Airbag Doors



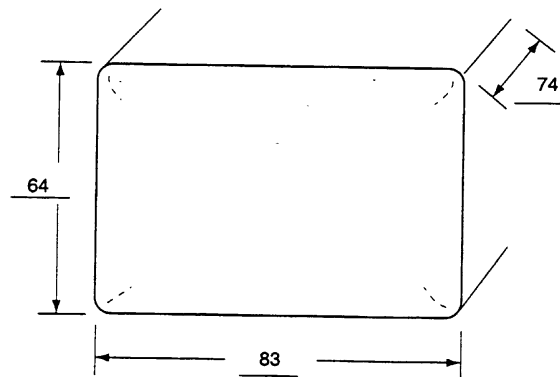
H-Pattern

Vents: Y ☒ N  
if yes, how many: \_\_\_\_\_

Tethers: ☒ Y N  
if yes, how many: 2

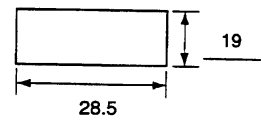
AIRBAG NUMBER ON PASSENGER SIDE:

Passenger Airbag



Passenger Airbag Doors

Single Door



Vents: Y ☒ N  
if yes, how many: \_\_\_\_\_

Tethers: Y ☒ N  
if yes, how many: \_\_\_\_\_

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.

Module 0 C Format 0 2  
9 10 11 12

# OCCUPANT INFORMATION OC-1

<b>OCCUPANT IDENTIFICATION</b>  OCCUPANT NUMBER <u>01</u> <small>13 14</small>  ROLE OF OCCUPANT AT 1ST IMPACT <u>1</u> <small>15</small> (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN		<b>PHYSICAL DESCRIPTION</b>  AGE IN YEARS <u>40</u> <small>20 21</small> (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN  AGE IN MONTHS <u>25</u> <small>22 23</small> (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN  MASS (kg) <u>102</u> <small>24 25 26</small> (999) UNKNOWN <u>(225 lb)</u>  HEIGHT (cm) <u>191</u> <small>27 28 29</small> (999) UNKNOWN <u>(6 ft, 3 in)</u>  SEX <u>1</u> <small>30</small> (1) MALE (2) FEMALE (9) UNKNOWN	
<b>OCCUPANT POSITION</b>  ROW LOCATION <u>1</u> <small>16</small> (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN  LATERAL LOCATION <u>1</u> <small>17</small> (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN  POSTURE <u>10</u> <small>18 19</small> (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN		<b>MEDICAL CONDITIONS</b>  TREATMENT/MORTALITY <u>02</u> <small>31 32</small> (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN  INJURY SEVERITY SCORE (ISS) <u>03</u> <small>33 34</small> (99) UNKNOWN  NON-IMPACT MED. CONDITIONS <u>0</u> <small>35</small> (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN	



## OCCUPANT INFORMATION OC-2

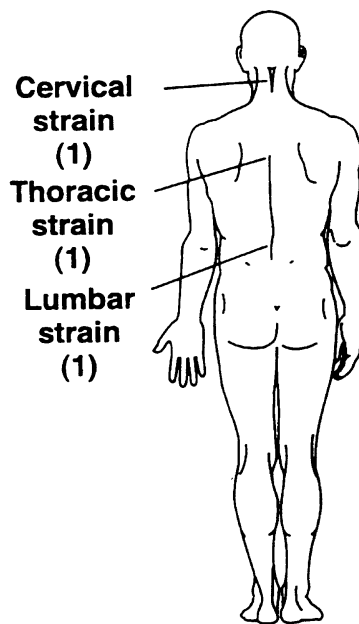
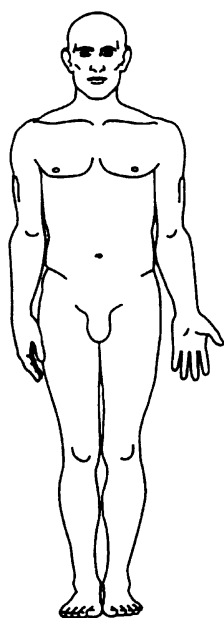
OCCUPANT INFORMATION OC-2			
<b>MEDICAL CONDITIONS (CONT.)</b>  <b>POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT</b>  (0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO IMPACT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN	<div style="text-align: center;">1</div> <div style="text-align: center;">36</div>	<b>CHILD SEAT TYPE</b>  (00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE (ADULT OR OLDER CHILD) (99) UNKNOWN  <b>CHILD SEAT MAKE/MODEL</b>  _____  _____  _____	<div style="text-align: center;">8 8</div> <div style="text-align: center;">41 42</div>
<b>RESTRAINT SYSTEM</b>  <b>ACTIVE RESTRAINT SYSTEM</b>  (0) NONE (1) LAP BELT (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) UNKNOWN  <b>ACTIVE RESTRAINT SYSTEM USAGE</b>  (0) NONE (AVAILABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (7) IMPROPER USAGE (8) NOT APPLICABLE (NONE AVAILABLE) (9) UNKNOWN  <b>PASSIVE RESTRAINT SYSTEM</b>  (0) NONE (1) AIRBAG INSTALLED (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS (4) PASSIVE LAP & UPPER TORSO (5) AIRBAG INSTALLED & PASSIVE RESTRAINT (7) OTHER: _____ (9) UNKNOWN  <b>PASSIVE RESTRAINT SYSTEM USAGE</b>  (0) SYSTEM DEFEATED (1) AIRBAG NOT DEPLOYED (2) AIRBAG DEPLOYED (3) AIRBAG NOT REINSTALLED (4) PASSIVE UPPER TORSO USED (5) PASSIVE LAP & UPPER TORSO USED (6) SYSTEM USED IN MANUAL MODE (7) IMPROPER USAGE (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED) (9) UNKNOWN	<div style="text-align: center;">3</div> <div style="text-align: center;">37</div>  <div style="text-align: center;">3</div> <div style="text-align: center;">38</div>  <div style="text-align: center;">1</div> <div style="text-align: center;">39</div>  <div style="text-align: center;">2</div> <div style="text-align: center;">40</div>	<b>EJECTION</b>  <b>DEGREE OF EJECTION</b>  (0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED  <b>AREA OF EJECTION</b>  (01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: _____ (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED  <b>IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:</b>  _____  _____  _____  _____	<div style="text-align: center;">0</div> <div style="text-align: center;">43</div>  <div style="text-align: center;">9 8</div> <div style="text-align: center;">44 45</div>
		<b>HEAD RESTRAINT</b>  <b>HEAD RESTRAINT AVAILABLE FOR THIS POSITION</b>  (0) NOT EQUIPPED OR REMOVED (1) EQUIPPED (9) UNKNOWN	<div style="text-align: center;">1</div> <div style="text-align: center;">46</div>

# OCCUPANT INFORMATION OC-3

<p><b>OCCUPANT EYEWEAR</b></p> <p>(0) NONE  (1) GLASSES  (2) CONTACTS  (3) BOTH GLASSES AND CONTACTS  (4) OTHER _____  (8) NOT APPLICABLE  (9) UNKNOWN</p>	<p><u><b>9</b></u>  47</p>	<p><b>SOURCE OF INFORMATION</b></p> <p>(0) INTERVIEW  (1) HOSPITAL  (2) AUTOPSY  (3) POLICE  (4) OTHER _____  (5) LAY CORONER/EXTERNAL EXAM  (7) COMBINATION OF ABOVE (CIRCLE)  (8) NOT APPLICABLE  (9) UNKNOWN</p>	<p><u><b>1</b></u>  48</p>
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OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8 from the previous card. Module 1 C Format 0 1  
9 10 11 12

# INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.		AREA(S) OF POSSIBLE CONTACT 1ST 2ND	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
		17-18	19-20												
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
Duplicate "Occupant Number" for each line. ↑ 01	01	98	--		N	P	T	M	1	--	--	--	--	--	
	02	98	--		B	S	T	M	1	--	--	--	--	--	
	03	98	--		B	I	T	M	1	--	--	--	--	--	
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NOTE: USE ADDITIONAL PAGES IF NECESSARY.

## INJURY CLASSIFICATION IC-2

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (*X*)
- (55) MIDDLE INSTRUMENT PANEL (*Y*)
- (56) LOWER INSTRUMENT PANEL (*Z*)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

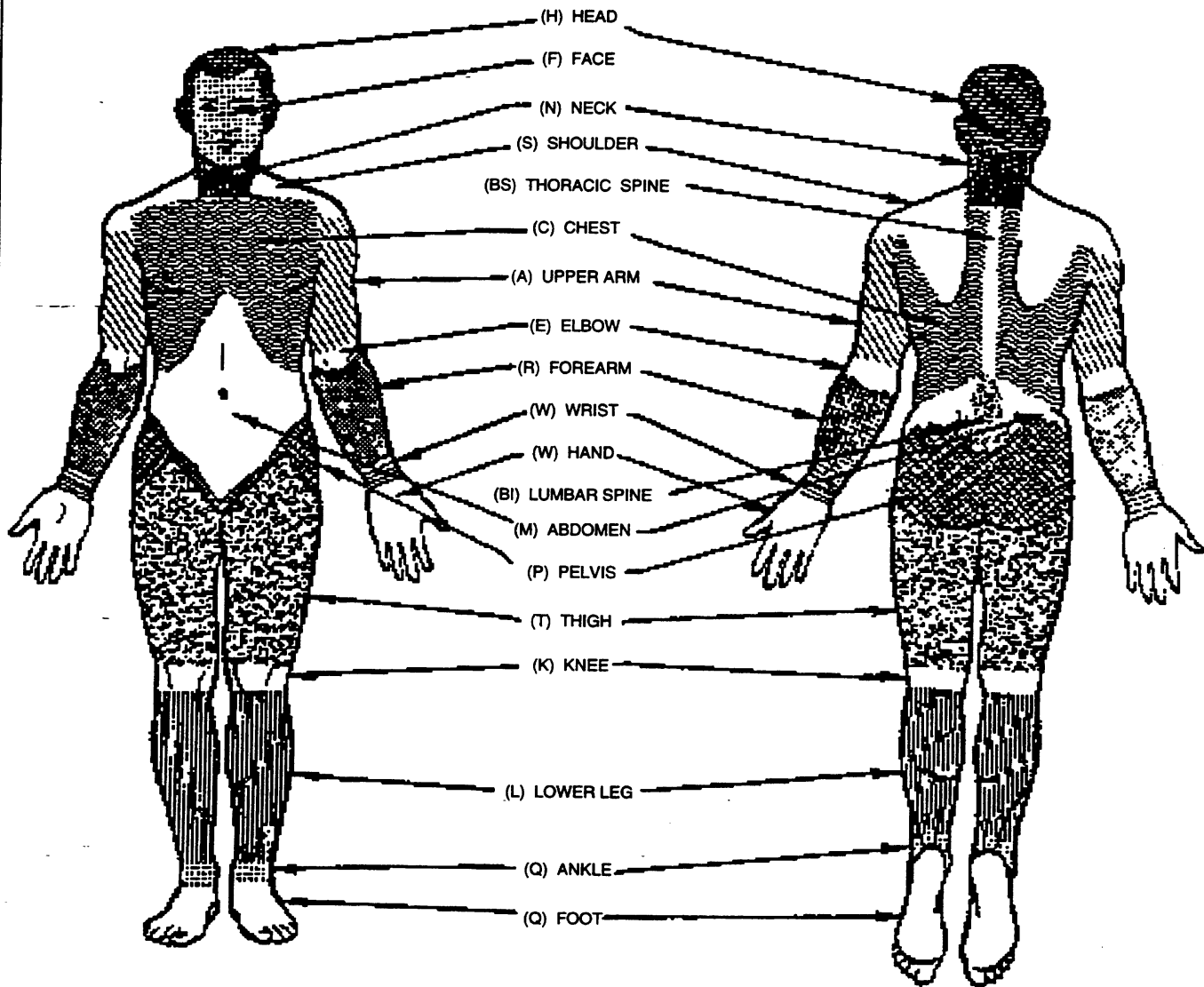
## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



## INJURY CLASSIFICATION IC-4

## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

**1 BODY REGION**

(H) HEAD/SKULL  
 (F) FACE  
 (N) NECK  
 (S) SHOULDER  
 (X) UPPER EXTREMITIES  
 (A) ARM (*UPPER*)  
 (E) ELBOW  
 (R) FOREARM  
 (W) WRIST/HAND  
 (C) CHEST  
 (M) ABDOMEN  
 (B) BACK  
 (P) PELVIC/HIP  
 (Y) LOWER EXTREMITIES  
 (T) THIGH  
 (K) KNEE  
 (L) LEG (*LOWER*)  
 (Q) ANKLE/FOOT  
 (O) WHOLE BODY  
 (U) UNKNOWN

**3 LESION**

(L) LACERATION  
 (C) CONTUSION  
 (A) ABRASION  
 (F) FRACTURE  
 (P) PERFORATION,  
 PUNCTURE  
 (K) CONCUSSION  
 (V) AVULSION  
 (R) RUPTURE  
 (S) SPRAIN  
 (D) DISLOCATION  
 (N) CRUSH  
 (M) AMPUTATION  
 (B) BURN  
 (G) DETACHMENT,  
 SEPARATION  
 (Z) FRACTURE AND  
 DISLOCATION  
 (T) STRAIN  
 (E) TOTAL SEVERANCE,  
 TRANSECTION  
 (O) OTHER  
 (U) UNKNOWN

**4 SYSTEM/ORGAN**

(S) SKELETAL  
 (V) VERTEBRAE  
 (J) JOINTS  
 (D) DIGESTIVE  
 (L) LIVER  
 (N) NERVOUS SYSTEM  
 (B) BRAIN  
 (C) SPINAL CORD  
 (E) EARS  
 (O) EYES  
 (A) ARTERIES  
 (H) HEART  
 (Q) SPLEEN  
 (G) UROGENITAL  
 (K) KIDNEYS  
 (R) RESPIRATORY  
 (P) PULMONARY/LUNGS  
 (M) MUSCLES  
 (T) THYROID, OTHER  
 ENDOCRINE GLAND  
 (I) INTEGUMENTARY (*SKIN*)  
 (W) ALL SYSTEMS IN REGION  
 (U) UNKNOWN

**2 ASPECT**

(R) RIGHT  
 (L) LEFT  
 (B) BILATERAL  
 (C) CENTRAL  
 (A) ANTERIOR/FRONT  
 (P) POSTERIOR/BACK  
 (S) SUPERIOR/UPPER  
 (I) INFERIOR/LOWER  
 (W) WHOLE REGION  
 (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

**5 SEVERITY**  
(OR "AIS", ABBREVIATED INJURY SCALE)

(0) NONE  
 (1) MINOR  
 (2) MODERATE  
 (3) SERIOUS  
 (4) SEVERE  
 (5) CRITICAL  
 (6) MAXIMUM  
 (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module 0 C Format 0 2  
9 10 11 12

# OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

02  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER  
(2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)  
(9) UNKNOWN

2  
15

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR  
(98) 98 YEARS OR OLDER  
(99) UNKNOWN

14  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH  
(25) 25 MONTHS OR OLDER  
(99) UNKNOWN

25  
22 23

MASS (kg)

- (999) UNKNOWN

999  
24 25 26

HEIGHT (cm)

- (999) UNKNOWN

999  
27 28 29

SEX

- (1) MALE  
(2) FEMALE  
(9) UNKNOWN

1  
30

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT  
(2) SECOND  
(3) THIRD  
(4) FOURTH  
(7) OTHER: \_\_\_\_\_  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)  
(9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT  
(2) LEFT CENTER  
(3) CENTER  
(4) RIGHT CENTER  
(5) RIGHT  
(6) ALL (LYING ON SEAT)  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT  
(9) UNKNOWN

5  
17

POSTURE

- (10) SITTING ON SEAT  
(11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)  
(12) SITTING ON CONSOLE  
(20) ON LAP OR IN ARMS  
(30) STANDING ON SEAT  
(40) STANDING ON FLOOR  
(47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(50) IN BASSINET  
(60) IN CHILD SEAT  
(65) IN CHILD HARNESS  
(70) LYING ON SEAT  
(80) LYING/SITTING ON PASSENGER  
FLOOR  
(83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_  
(85) ON CARGO FLOOR/FOLDED  
SEAT-BACK  
(87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(97) OTHER: \_\_\_\_\_  
(99) UNKNOWN

10  
18 19

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE  
(01) FIRST AID AT SCENE  
(02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED  
(03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS  
(04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT  
(05) FATAL, DEAD AT SCENE  
(06) FATAL, DOA  
(07) FATAL, DEAD WITHIN 24 HOURS  
(08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER  
(09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER  
(10) FATAL DEAD WITHIN UNKNOWN  
PERIOD  
(99) UNKNOWN

02  
31 32

INJURY SEVERITY SCORE (ISS)

- (99) UNKNOWN

01  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE  
(1) YES, TIME & TYPE UNKNOWN  
(2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)  
(3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)  
(4) PREGNANT  
(5) POST-CRASH FATAL (DROWNING)  
(6) POST-CRASH NON-FATAL INJURY  
(7) OTHER: \_\_\_\_\_  
(8) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(9) UNKNOWN

0  
35



## OCCUPANT INFORMATION OC-2

## MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY  
CODE FOR THIS OCCUPANT

- (0) O - NO INJURY  
 (1) C - POSSIBLE INJURY  
 (2) B - NON-INCAPACITATING  
 (3) A - INCAPACITATING INJURY  
 (4) K - FATAL  
 (5) INJURED, SEVERITY UNKNOWN  
 (6) DIED PRIOR TO IMPACT  
 (7) NON-FATAL INJURY,  
 SEVERITY UNKNOWN  
 (9) UNKNOWN

1  
36

## CHILD SEAT TYPE

- (00) NONE USED  
 (01) YES, USED  
 (02) INTEGRAL, Chrysler Mini-van  
 (88) NOT APPLICABLE  
 (ADULT OR OLDER CHILD)  
 (99) UNKNOWN

88  
41 42

## CHILD SEAT MAKE/MODEL

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## RESTRAINT SYSTEM

## ACTIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) LAP BELT  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (9) UNKNOWN

3  
37

## ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)  
 (1) LAP BELT ONLY  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NONE AVAILABLE)  
 (9) UNKNOWN

3  
38

## PASSIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) AIRBAG INSTALLED  
 (2) PASSIVE UPPER TORSO  
 WITH KNEE BOLSTERS  
 (3) PASSIVE UPPER TORSO  
 WITHOUT KNEE BOLSTERS  
 (4) PASSIVE LAP & UPPER TORSO  
 (5) AIRBAG INSTALLED &  
 PASSIVE RESTRAINT  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

1  
39

## PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED  
 (1) AIRBAG NOT DEPLOYED  
 (2) AIRBAG DEPLOYED  
 (3) AIRBAG NOT REINSTALLED  
 (4) PASSIVE UPPER TORSO USED  
 (5) PASSIVE LAP & UPPER TORSO USED  
 (6) SYSTEM USED IN MANUAL MODE  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NOT ORIGINALLY  
 EQUIPPED)  
 (9) UNKNOWN

2  
40

## EJECTION

## DEGREE OF EJECTION

- (0) NONE  
 (1) PARTIAL  
 (2) COMPLETE  
 (7) EJECTED, DEGREE UNKNOWN  
 (9) UNKNOWN IF EJECTED

0  
43

## AREA OF EJECTION

- (01) WINDOW, LEFT SIDE  
 (02) WINDOW, RIGHT SIDE  
 (03) WINDOW, REAR  
 (04) DOOR, LEFT SIDE  
 (05) DOOR, RIGHT SIDE  
 (06) DOOR, REAR OR TAILGATE  
 (07) WINDSHIELD  
 (08) ROOF OR OPEN CONVERTIBLE OR  
 FROM EXTERNAL AREA  
 (96) EJECTED AREA UNKNOWN  
 (97) OTHER AREA: \_\_\_\_\_  
 (98) NOT APPLICABLE (NOT EJECTED)  
 (99) UNKNOWN IF EJECTED

98  
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE  
IN DETAIL BELOW:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE  
FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED  
 (1) EQUIPPED  
 (9) UNKNOWN

1  
46

# OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

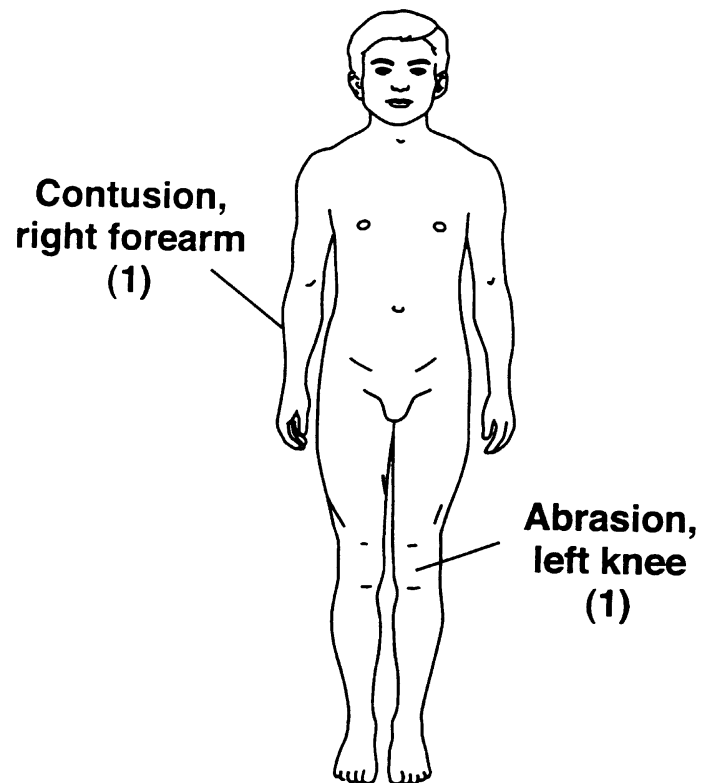
9  
47

## SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

1  
48

INDICATE LOCATION OF INJURIES.



INJURY CLASSIFICATION IC-1

## OCCUPANT INJURY CLASSIFICATION

**Duplicate "Occupant Number" for each line.**

57

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (SPECIFIC AREA UNKNOWN)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (INSTRUMENT PANEL)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (09) STEERING ASSEMBLY (SPECIFIC AREA UNKNOWN)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (SPECIFIC AREA UNKNOWN)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (FRONT)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (BUILT IN)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (LOCATION UNK.)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (LOCATION UNKNOWN)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (FROM ANY SOURCE)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (SIDE)
- (21) WINDOW FRAMES (SIDE)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (SPECIFIC AREA UNKNOWN)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (SPECIFIC AREA UNK.)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.)

## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (DESCRIBE)

## MISCELLANEOUS

- (00) NO CONTACT (INVALID FIELD FORM CODE)
- (38) OTHER (E.G. FIRE. DESCRIBE)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

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**Figure 6**



PN 19800 #1



PN 19800 #2



PN 19800#3





PN 19800 #4



PN 19800#5



PN 19800 #6



PN 19800#7



**PN 19800 #8**



**PN 1980049**  
**Best Available**



**PN 19800 #10**  
**Best Available**



**PN 19800 #11**  
**Best Available**





**PN 19800 #12**  
**Best Available**



PN 19800#13



**PN 19800#14**



PN 19800 #15



PN 19800#16



PN 19800 #17



PN 19800 #18



**PN 19800 #19**





PN 19800 #20



PN 19800 #21



PN 19800 #22



PN 19800 #23



**PN 19800 #24**



**PN 19800 #25**



PN 19800 #26



**PN 19800 #27**





PN 19800 #28  
Best Available



**PN 19800 #29**  
**Best Available**



**PN 19800 #30**  
**Best Available**



PN 19800 #31  
Best Available



**PN 19600 #32**  
**Best Available**



**PN 19800 #33**  
**Best Available**



PN 19800 #34  
Best Available



**PN 19800 #35**  
**Best Available**





PN 19500 #36  
Best Available



**PN 19800 #37**  
**Best Available**



PN 19800 #38



PN 19800 #39



PN 19800 #40



PN 19800 #41



PN 19800 #42



**PN 19800 #43**





PN 19800 #44



PN 19600 #45



PN 19800 #48



PN 19800 #47



PN 19800 #48



PN 19800 #49



**PN 19800 #50**



PN 19800 #51





PN 19800 #52



**PN 19800 #53**



**PN 19800 #54**



PN 19B00 #55



**PN 19800 #58**



PN 19800 #57

CASE NO: 19800

CASE WITHOUT: 19800 Dodge

TYPE: Rear 2000 Lumbar Belt 4 x 4, Quad Belt pickup

QCC/Injury: Driver, 40-year-old male

STATURE: 180 cm (5' 8, 8 in) MASS: 100 kg (220 lb)

RESTRAINTS: 3-point belt with frontal-impact airbag deployed

SEVERITY: MAIS - 1      LOS - 0



CASE NO. : 198-00

CASE VEHICLE: 1989 Dodge

TYPE: Race 2000 4 x 4 Limited SLT, 4-door cab pickup

OCCUPANT: Right front, 18-year-old male

STATUS: Unknown      MISC: Unknown

RESTRAINTS: 3-point seat belts; frontal impact  
airbag deployed

SECURITY: MAKE - 1 - 655 - 4

